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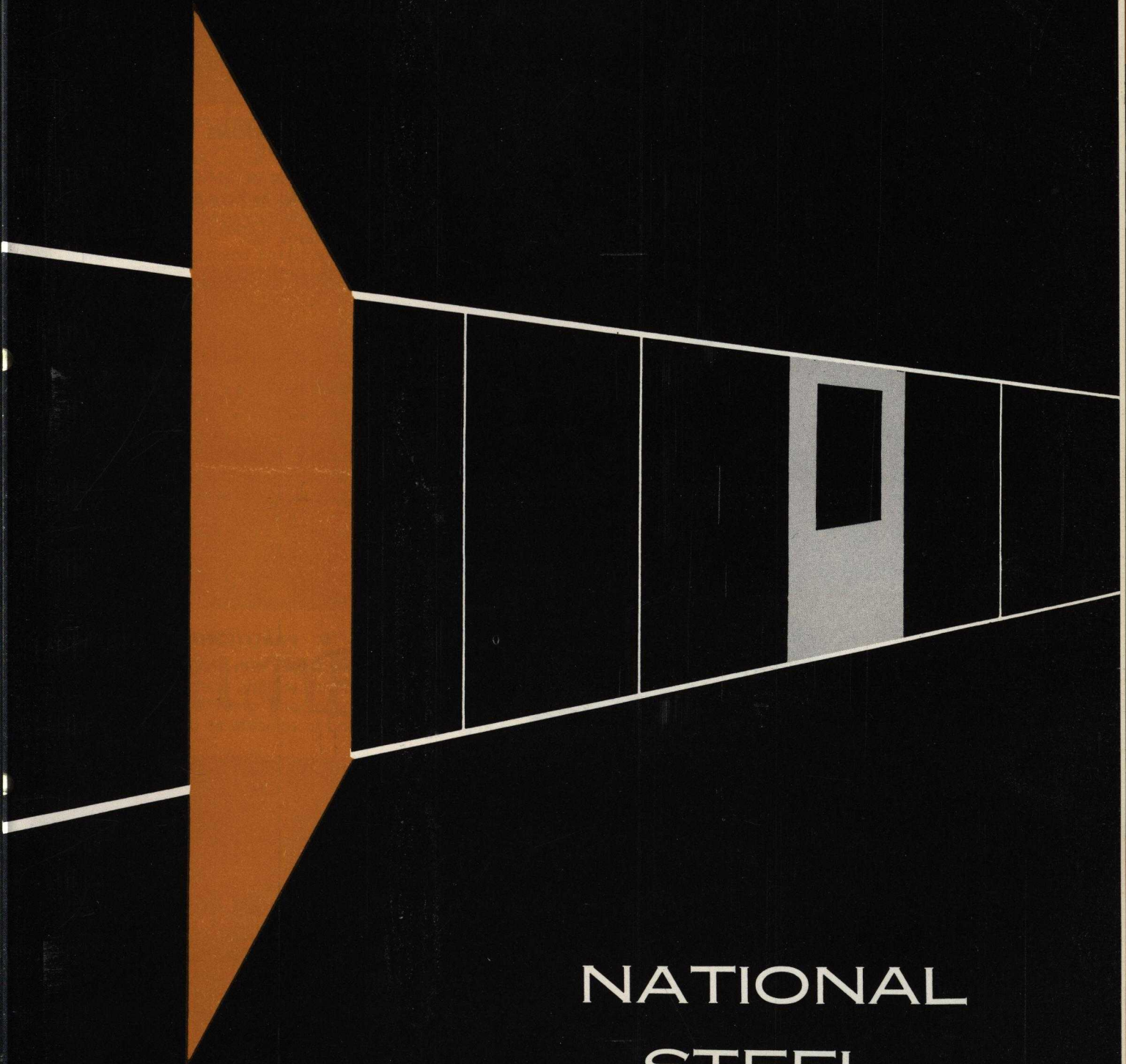
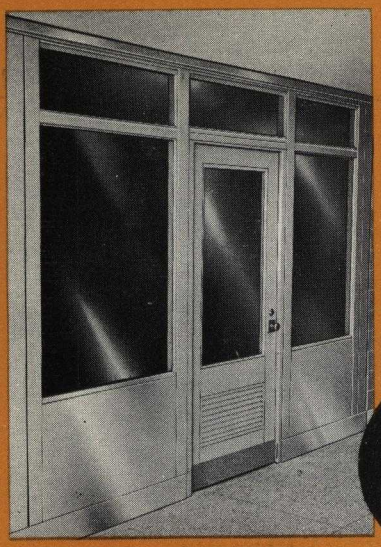
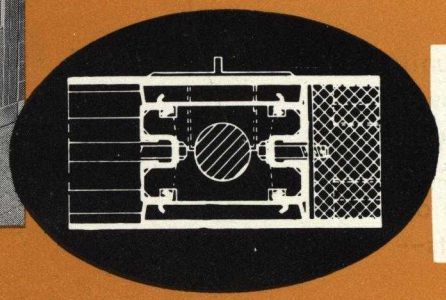


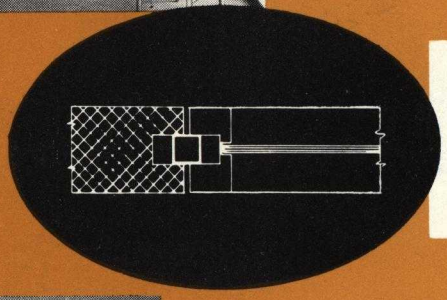
NATIONAL STEEL PARTITIONS





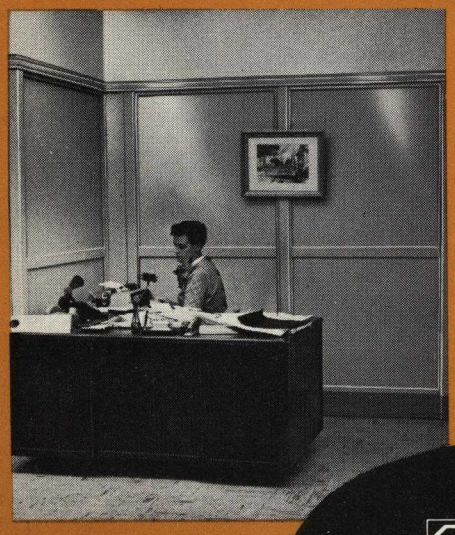
FLUSH TYPE —"F" PARTITIONS

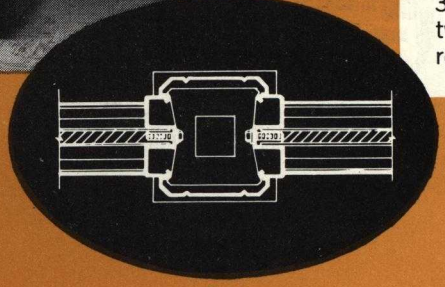
Completely flush wall, 3" thick. Available as all steel, or steel and glass combinations. Quick access to wiring. Ceiling or cornice high. Easily moved and rearranged. Widely used in office buildings, schools, institutions, etc.



UNIWALL TYPE —"S" PARTITIONS

Flush, 3" thick partitions, with Rockwool filled panels. Panels interlock, making one thin dividing line. All steel or steel and glass combinations. Simple to erect – and to relocate as desired.



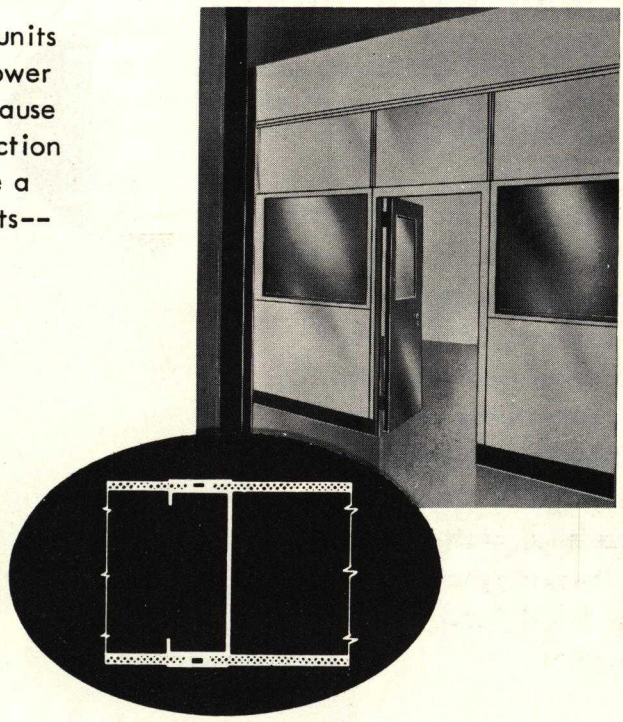


SM—TYPE PARTITIONS

Economy is secured, while maintaining advantages of more expensive types of partitions. Panels are 3/8" thick, with insulating material packed between the steel sheets. 3" thick posts. Easy to relocate or rearrange.

MOVEABLE STEEL PARTITIONS by NATIONAL

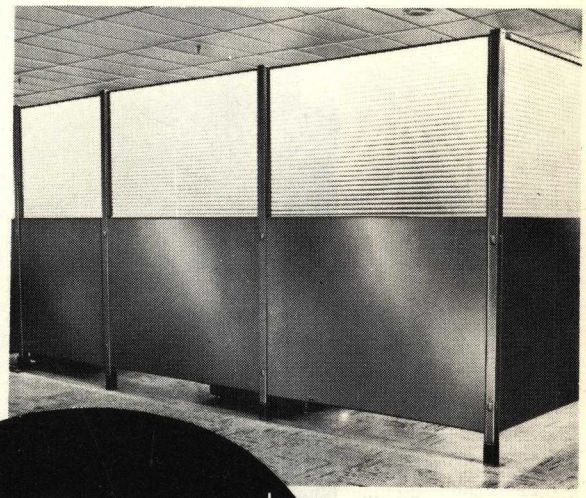
National's moveable walls are in standard units which give complete flexibility of use...lower cost of installation--and maintenance. Because of their unique design, and the mass-production techniques in making them, you can secure a wall arrangement to fit specific requirements--at lower cost.



DYNAWALL TYPE —"D" PARTITIONS

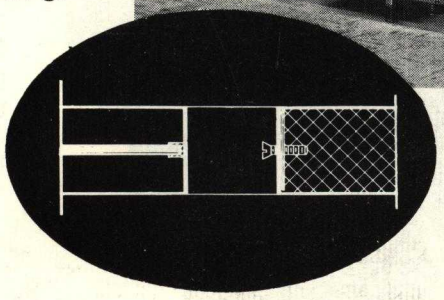
A commercial type partition, favored in factories, warehouses, laboratories, institutions, etc. May be built up in combinations of glass, steel mouldings and various non-metallic panels to any ceiling height. Simple to erect and relocate. Full panel interior accessible for wiring and piping.

ALL TYPES for ALL APPLICATIONS



SNAP-JOINT TYPE —"P" PARTITIONS

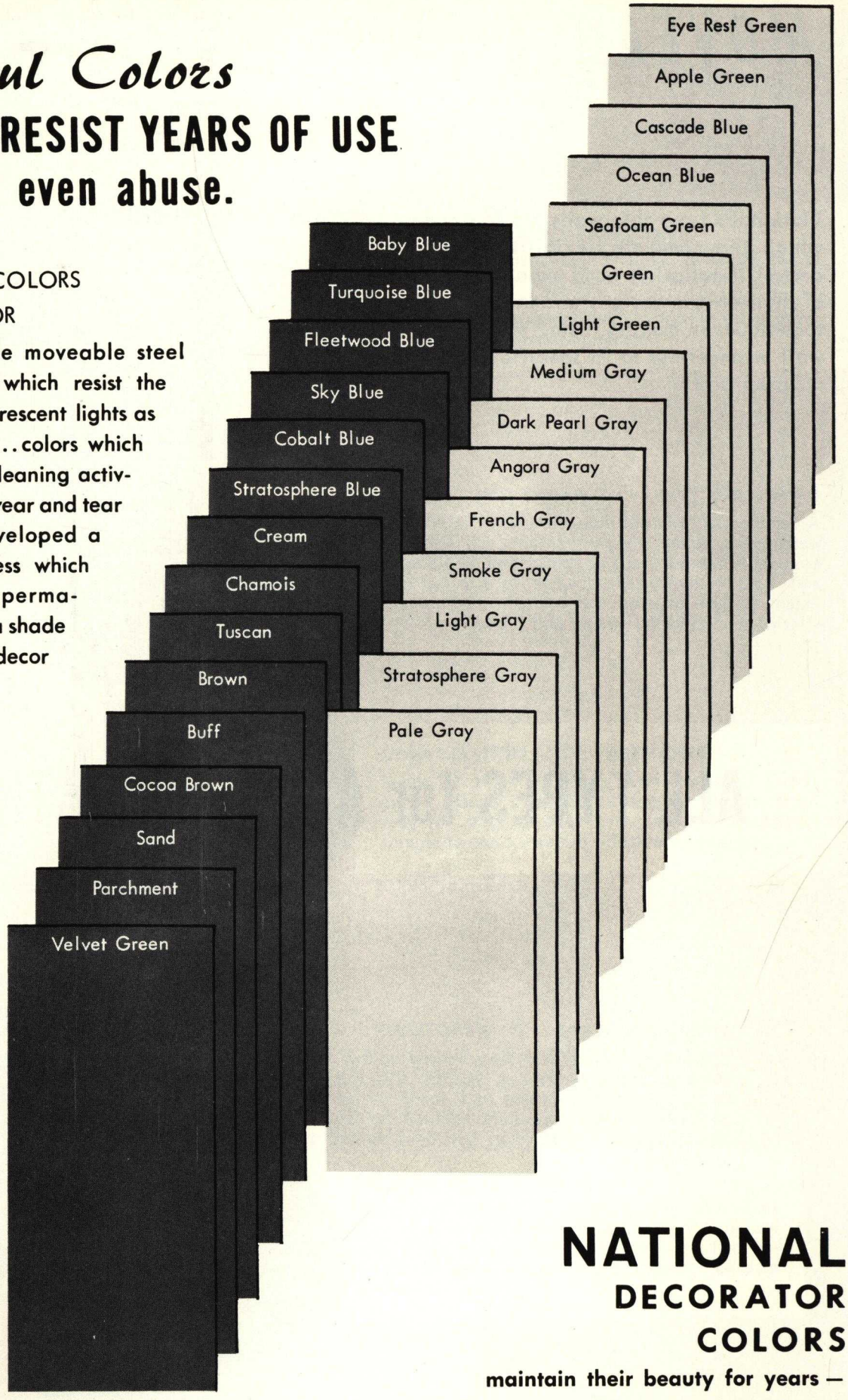
Complete flexibility may be achieved by this free standing partition. Various heights and widths. Units are interchangeable and easily moved by non-skilled labor. Especially adapted for space divison in those areas where partitions do not go to the ceiling.



Beautiful Colors
THAT RESIST YEARS OF USE ... and even abuse.

FULL RANGE OF COLORS
TO FIT ANY DECOR

In order to provide moveable steel partitions in color which resist the harsh effects of fluorescent lights as well as of sunlight... colors which take the abuse of cleaning activities and of human wear and tear —National has developed a special paint process which insures beautiful, permanent color. There is a shade and hue to fit all decor requirements.



NATIONAL DECORATOR COLORS

maintain their beauty for years — with a minimum of care.

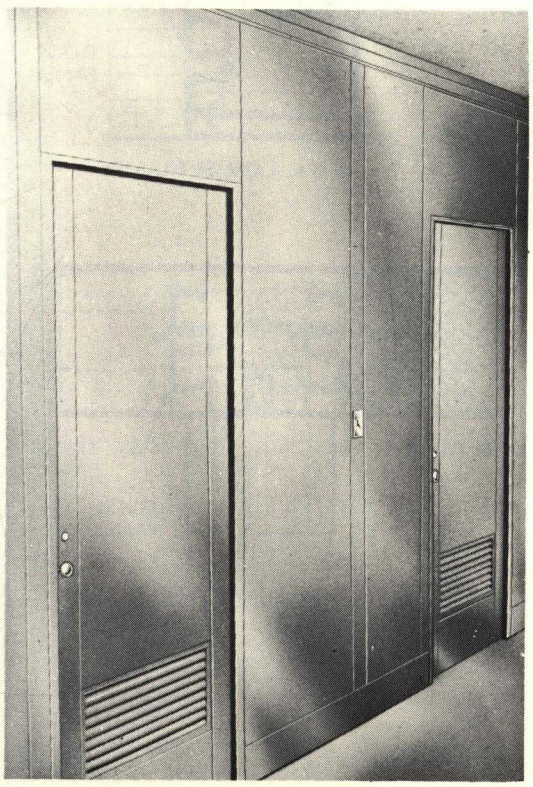
FLUSH TYPE-F PARTITIONS

Flush Type "F" Partitions provide a completely flush wall, 3" thick. The factory assembly of panel units by bolting and field joints by patented clips provides the strongest possible construction in a movable wall. Filler is of rockwool, 3" thick.

At left is installation in the main offices of the Daitch Shopwell Super Market, New York, of a combination steel and glass Flush Type "F" Partition, 7'-2¼" high. This is a steel and glass partition with mineral board top filler.

The Flush Type "F" Partition is easily moved and relocated. The 18 ga. vertical channels are bolted to the panels for ease of assembly and replacement of damaged panel faces. The stiffeners are 24 ga., 12" on center, spot-welded 3" on centers.

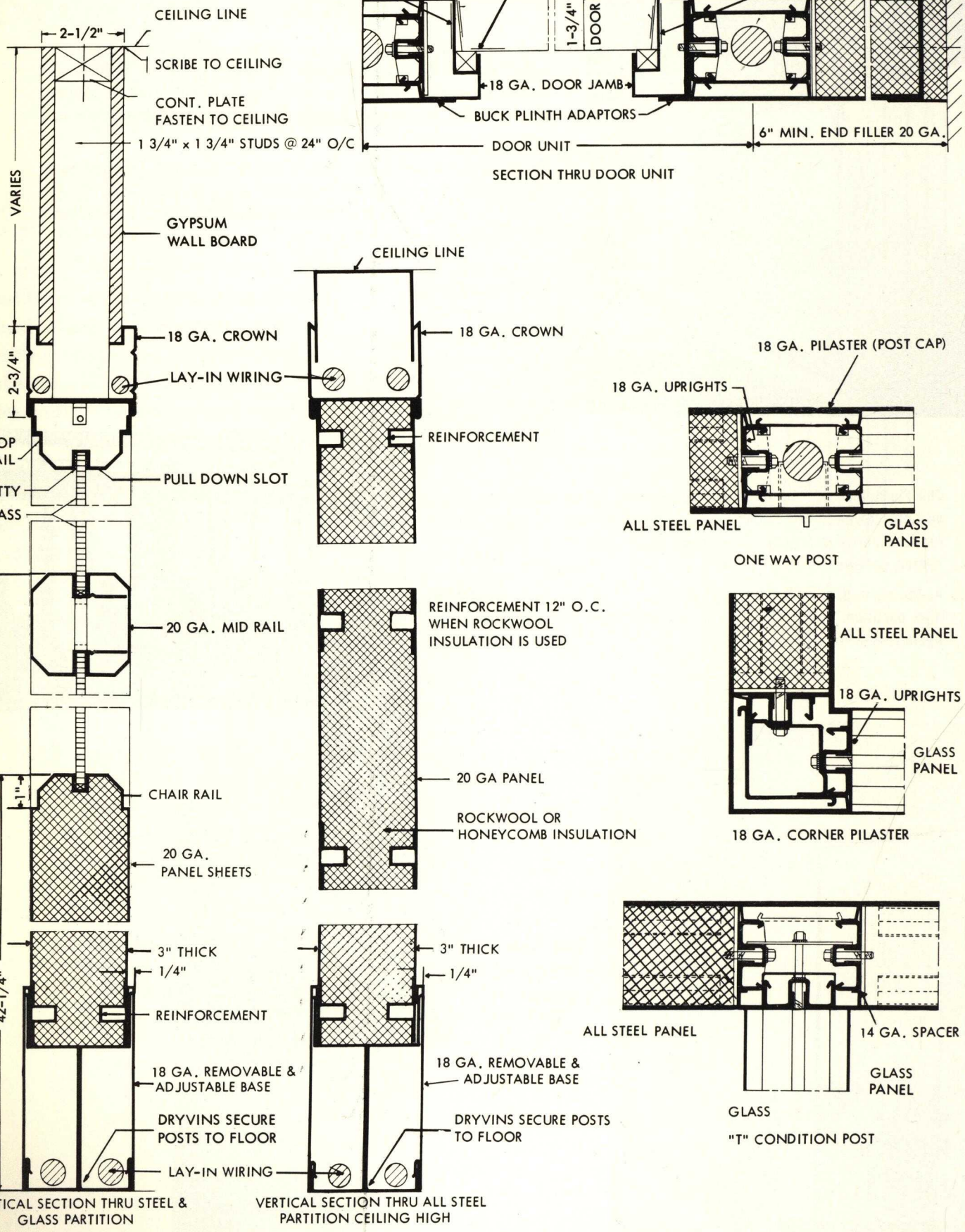
At the right is a Flush Type "F" Partition, 8' high with open lite ceiling-high partition. This installation is in the Francis H. Cabot Advertising Agency, New York City.



The Flush Type "F" Partition is used widely in office buildings, schools, institutions, etc. because it is easily moved and simply designed, yet sensible in cost. Available in all steel or steel and glass panels. All units are made in 6" increments. Maximum is 48" in steel panels and 54" in steel and glass panels.

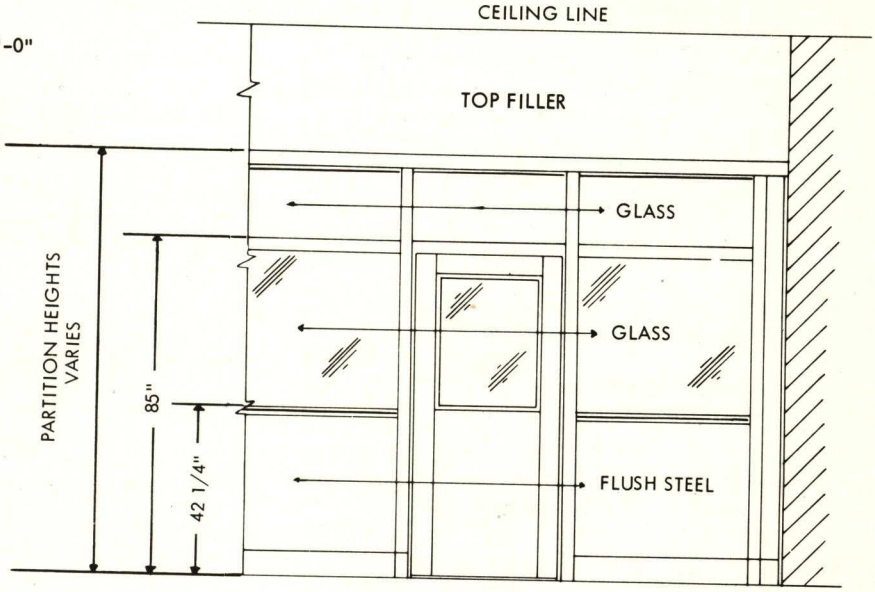
FLUSH TYPE-F PARTITIONS

DETAILS - SCALE: 3" = 1'-0"

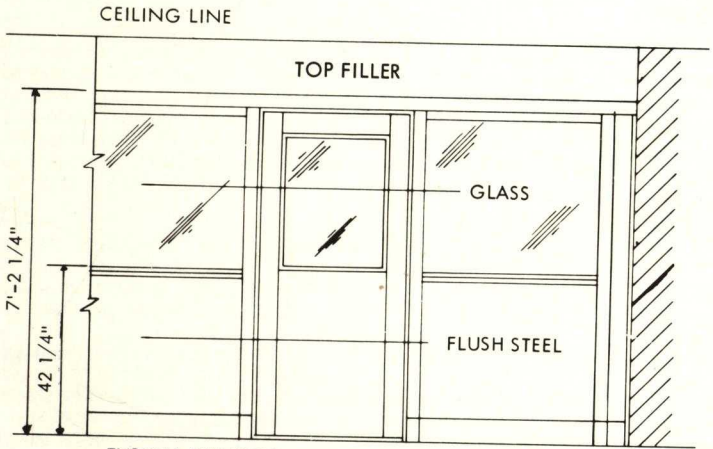


FLUSH TYPE-F PARTITIONS

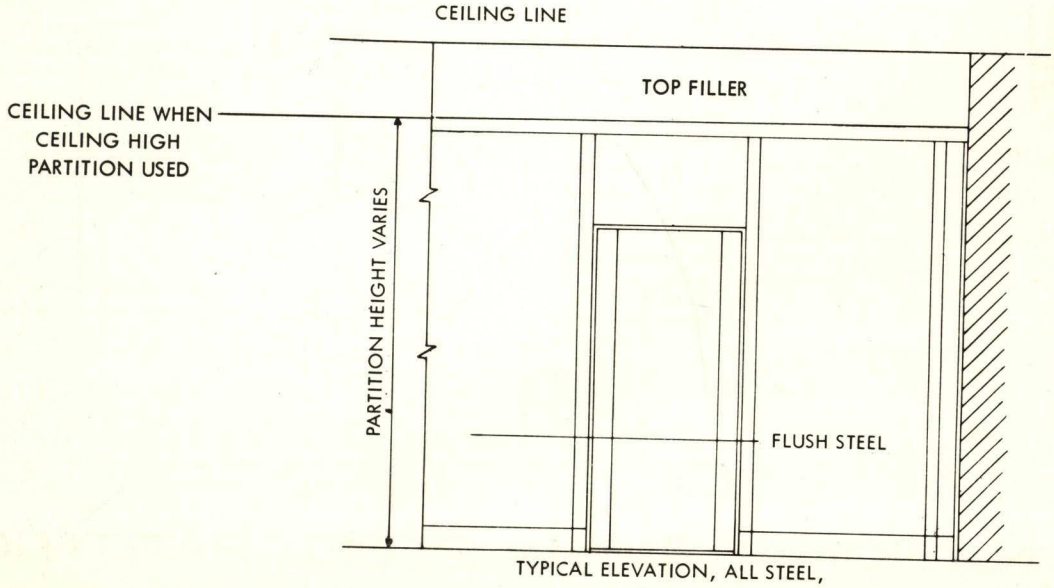
ELEVATIONS - SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION, STEEL & GLASS PARTITION

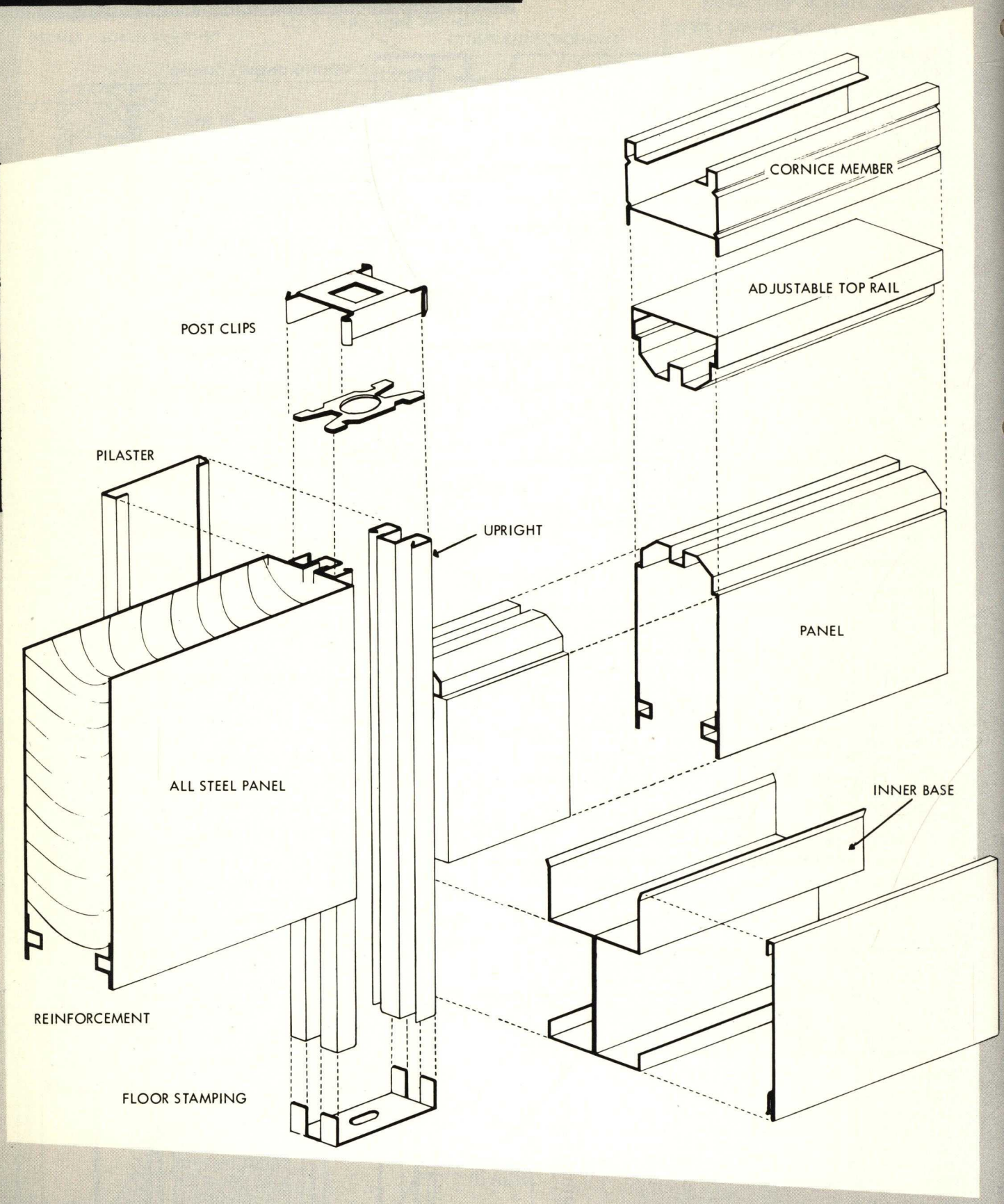


TYPICAL ELEVATION, 7'-2 1/4" HIGH, STEEL & GLASS



TYPICAL ELEVATION, ALL STEEL,

FLUSH TYPE-F PARTITIONS



specifications

Na

GENERAL
Completely furnish and erect National Steel Partition Company's Flush Type F Steel Partitions as specified herein.

SHOP DRAWINGS
Detailed shop drawings of complete plan showing partition, layout typical elevations, hardware schedule, finish and any special conditions and construction shall be submitted for approval to the architect before fabrication and assembly.

ERECTION
Installation of all steel partition runs shall be on top of the finished flooring. All partitions shall be fitted to existing building conditions and shall be erected in a substantial and rigid manner, straight and plumb with horizontal lines level. All units shall be aligned at joints and interlocked. Floor fastenings shall be completely concealed and adjustable to floor level variations.

CHANGEABILITY
Any layout change which is desired shall be easily and economically executed without debris or dirt and with 100% salvage. Partitions and doors shall be completely interchangeable with units of like size. Panel and door units may be dismantled and reinstalled without disturbing adjacent units.

MATERIALS
Exposed steel shall be commercial quality cold-rolled properly annealed and roller leveled with smooth, clean surfaces. All gauges of specified metal are U. S. Standard.

UNITS
For future extensions of either 2-, 3-, or 4-way, units shall be so assembled that extensions may be joined without removal of adjacent units or material above cornice line. The partitions are to be 3″ thick, height shall be standard cornice of either 7′-2¼″, 8′-2¼″, 9′-2¼″ or 10′-2¼″ to top of cornice trim as indicated. Factory will ship all units in one assembly from floor to cornice in widths of 6″ increments not to exceed 48″ in all steel and 54″ in steel and glass.

PANELS
Shall be made of two sheets of 20 gauge and insulation 3″ thick. Panels shall be flush with face of post caps and the sheets proper shall be reinforced with horizontal stiffeners spot-welded on 3″ centers and these stiffeners shall be placed approximately every 12″ in the height of a sheet.
Rockwool filler shall be packed solid between panel sheets for further sound absorption and backing to the sheets.
An alternate construction shall omit the horizontal stiffeners and substitute honeycomb for rockwool insulation.
As indicated in elevation, glass opening shall be provided in upper sections of panels for either single glass or hermetically sealed double glass units.

DOORS, TRANSOMS AND DOOR FRAMES
Doors shall be made flush with No. 20 gauge 5″ wide styles flush with No. 20 gauge pans which shall deaden sound. Standard swing door with frame shall fit a 42″ wide section and the door shall be 3′ x 6′-10″. Doors shall be reinforced for hinges, locks and door checks. Hinge reinforcement shall be 10 gauge, lock reinforcement 10 gauge, check reinforcement 14 gauge. Doors shall be 1¾″ thick with 3/32″ clearance at heads and jambs. All transoms are to be center pivoted and pole operated. All frames shall be of floating type, of 18 gauge steel, to compensate for various floor coverings at different floor levels. Frame height shall be adjusted by telescoping head. Continuous rubber gasket shall be installed at head and jambs of all frames.

HARDWARE
All hardware shall be interchangeable as called for in schedule of hardware. Two 5″ x 4″ loose pin ball bearing butt hinges shall be provided for all doors. Mortise latches in U. S. 10 finish shall be standard Cylinder locks of varying functions, finishes and designs also available.

BASE
The base shall be No. 18 gauge, 6″ high with ¼″ projection, plinths will normally be used at posts to allow the base to more closely conform to the floor. If desired, bases can be furnished in continuous lengths with the plinths omitted. Bases are to be vertically adjustable. In order to allow easy access to utility spaces, base shall be made removable.

CEILING TRIM
(For those partitions that extend to ceiling.)
They shall be constructed to run over all units to ensure rigidity for horizontal bracing. They shall be provided with a lay-in type wire raceway easily accessible from either side of unit. Raceway and internal cornice to be concealed by snap-in ornamental trim of No. 20 gauge.

CORNICE
(Provided for those partitions that do not reach ceiling.)
Cornice shall run in a continuous line over top of units. No. 18 gauge rolled steel section giving maximum rigidity for horizontal bracing. They shall also be provided with a lay-in type wire raceway.

FLUSH POST CAPS
Caps shall be of removable type for easy wiring and disassembly. Surface of caps to be made flush with panel face. They shall be of flat design in No. 18 gauge.

WALL FILLERS
Shall be telescopically adjustable and have no exposed raw steel edges or wall fastenings. They shall be of No. 20 gauge.

TOP FILLER
(Omit if no top filler required.)
For partitions that extend to ceiling, Mineral board top fillers which are double sheet mineral board ⅜″ thick, shall be applied over wood studs set 24″ on center.
As an alternate, steel top filler of No. 20 gauge can be supplied with single flush line joints and made of double steel and shall be removable.

FLOOR CONNECTIONS
All floor connections are concealed at base and all fittings shall be made below each post. They shall be provided with leveling shims for adjustment to normal floor irregularities. Connections are to be securely fastened to floor.

PANEL CONNECTIONS
All units proper are to be connected by No. 11 gauge compression and tension clip that maintains unit rigidity and properly aligns connecting units. In order to permit vertical wiring, clips are provided with a wiring hole and projections for snapping on flush post cap that are to be held in place without bolts, nuts, etc. Application of clips may be made at any point in height of unit.

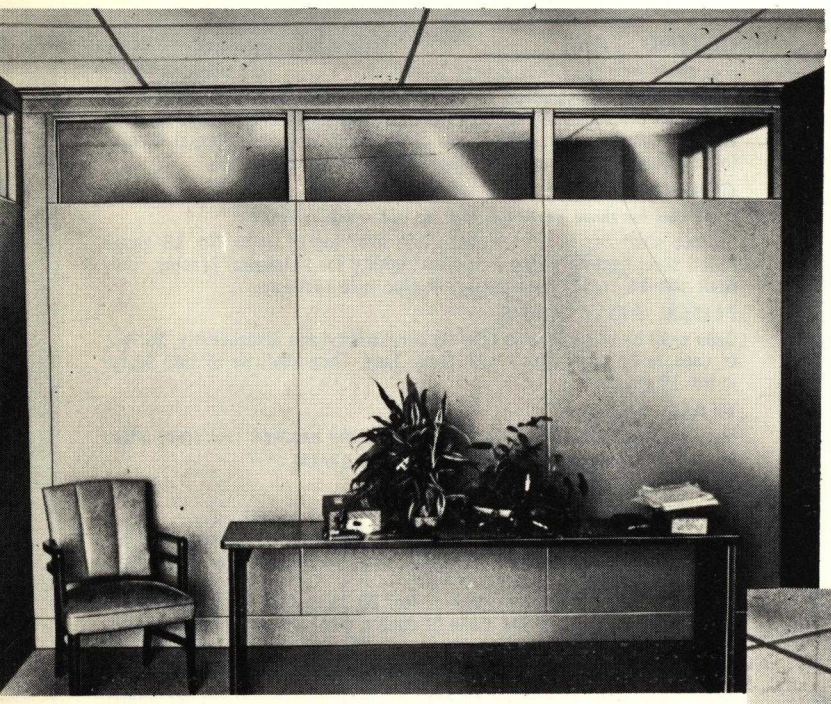
FACTORY FINISH
All exposed surfaces of completed partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust inhibitor and properly dried prior to paint applications. Partitions are finished permanently with an enamel coat of alkyd-melamine base and baked to ensure quality and durability.
The finish coat shall be of "eggshell" texture, uniform throughout; color shall be National Steel Partition Company's Color No. ..... or color to be as selected. If base and door colors are different from partition colors, specify National Steel Partitions Company Color No. .....

GLASS AND GLAZING
Glass for metal partitions shall be supplied by partition contractor and shall be of a quality, thickness and design as specified in drawings. As called for in specifications, glass shall be set in putty tinted to match partition or neoprene glazing strips. Glazing molds shall be self-seating and ensure a positive stop on glass at all times.

SOUNDPROOFING
Partition runs should be noted on plans as "soundproof" if maximum sound-proofing is necessary and the following specifications added:
During erection of partitions all post connections, base and cornice and wall fillers shall be solidly packed with rockwool. The point where partition base and floor contact shall be sealed with felt which shall make continuous contact with floor and base. Top filler (if any) shall be solidly packed with rockwool for its entire height. All glazed partition runs shall be hermetically sealed double glass panels. To prevent sound leakage around glass, hermetically sealed double glass panels shall have all four sides of the double glass lites well sealed with putty. Automatic felt drops shall be furnished at each door.

CLEANING
All minor defects and blemishes shall be touched up neatly and finger marks removed. Cartons and rubbish shall be removed and the job left broom clean. Erection dust, washing, cleaning of glass are to be performed by user.

UNIWALL TYPE - S PARTITIONS

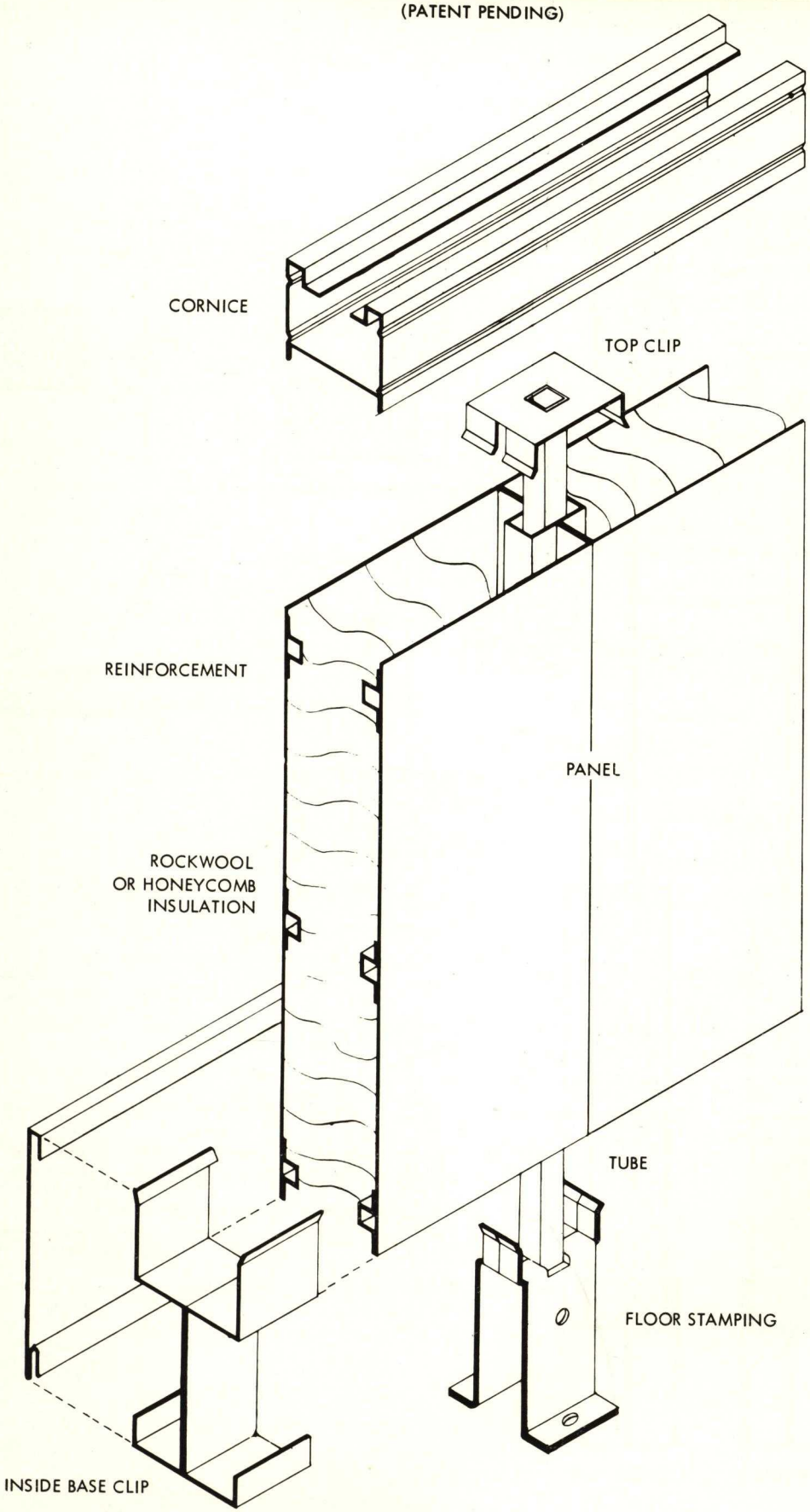


This is a low cost full 3" thick partition available in all steel, steel and glass or open lite glass panels. Any panel or door unit may be removed and re-erected within a run without disturbing the adjacent panels or the cornice above, yet the panels are interlocked securely. Easy to erect, and easy to relocate. There are built-in wiring facilities and provisions for electrical components. Floor shoe and top panel plate are designed so that they interlock, providing tight joints and positive panel alignment.

Two applications of the National Uniwall Type "S" Partitions are indicated by the illustrations on this page. Both show a 9′ ceiling high partition; one with a glass and steel combination while the other has a glass lite above doorline.

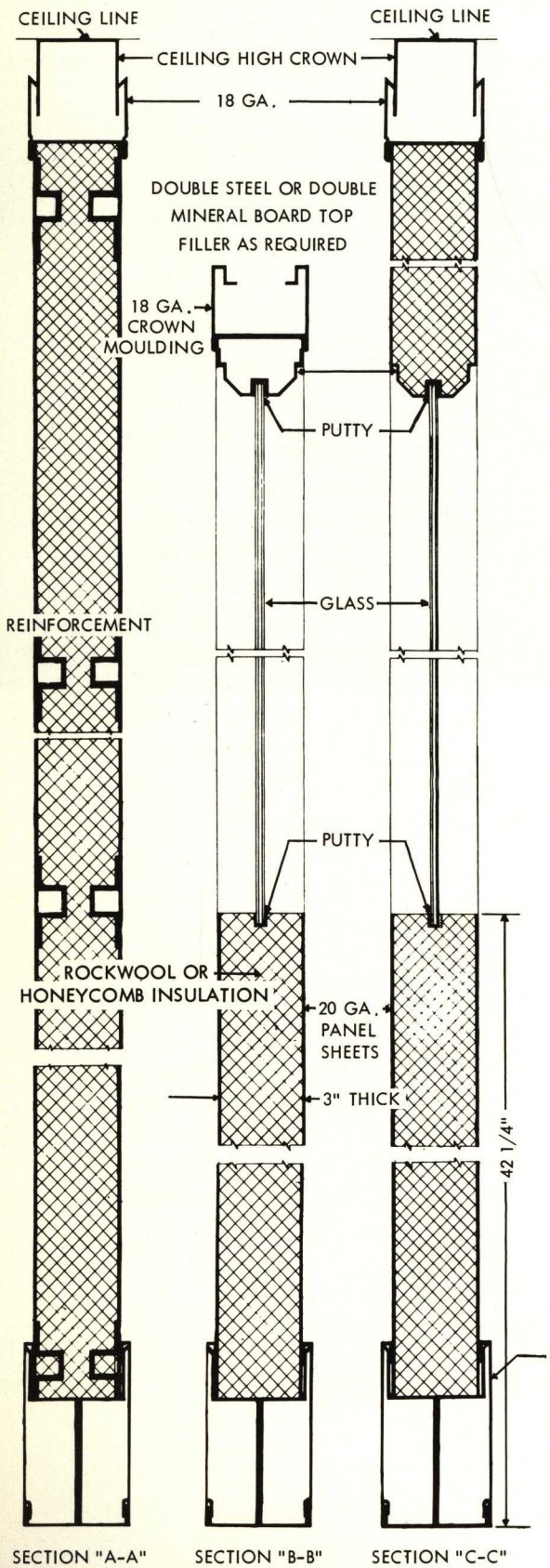
UNIWALL TYPE - S PARTITIONS

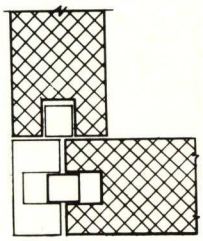
(PATENT PENDING)



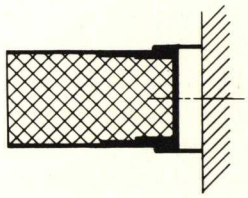
UNIWALL TYPE - S PARTITIONS

DETAILS - SCALE: 3" = 1'-0"

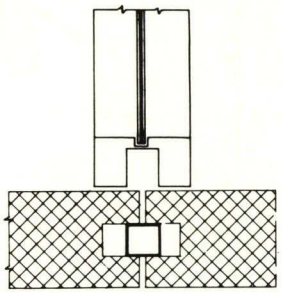




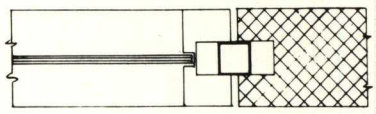
CORNER CONDITION



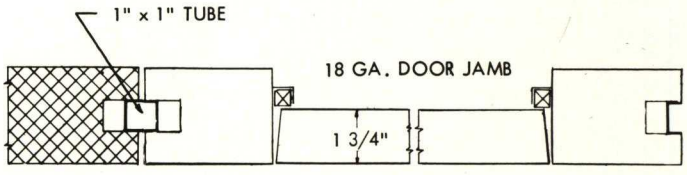
END FILLER CONDITION



"T" CONDITION

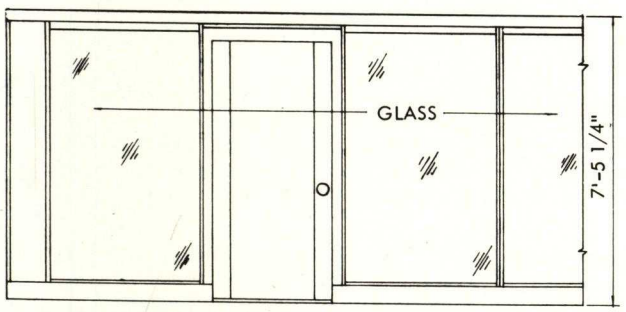


ONE WAY POST

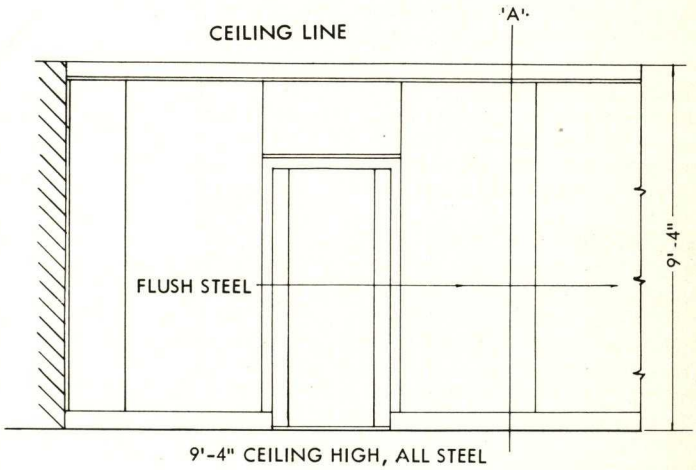


DOOR UNIT 42"

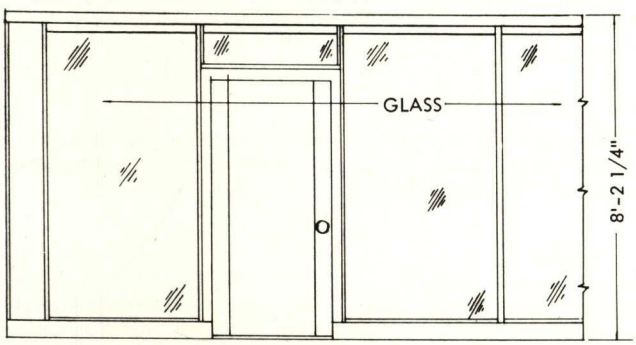
ELEVATIONS - SCALE: 3/16" = 1'-0"



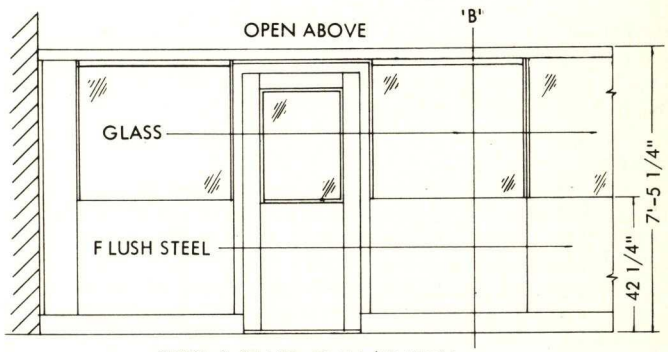
ALL GLASS, 7'-5 1/4"



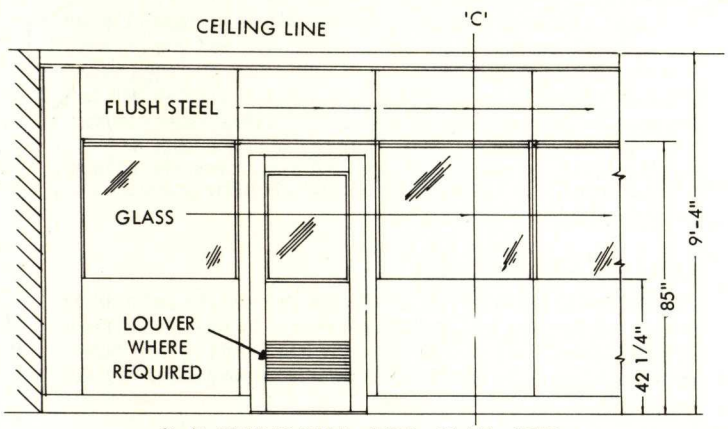
9'-4" CEILING HIGH, ALL STEEL



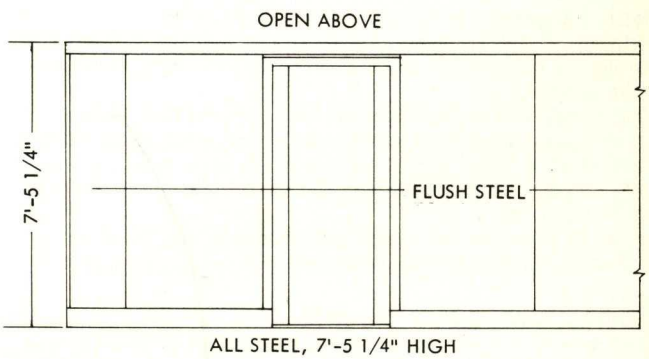
8'-2 1/4" HIGH, ALL GLASS



STEEL & GLASS, 7'-5 1/4" HIGH



9'-4" CEILING HIGH, STEEL, GLASS, STEEL



ALL STEEL, 7'-5 1/4" HIGH

specifications

GENERAL
Completely furnish and erect National Steel Partition Company's Type "S" Steel Partitions as specified herein.

SHOP DRAWINGS
Detailed shop drawings of complete plan showing partition, layout, typical elevations, hardware schedule, finish and any special conditions and construction shall be submitted in duplicate for approval to the architect before fabrication and assembly.

ERECTION
Installation of all partition runs shall be on top of the finished flooring. All partitions shall be fitted to existing building conditions and shall be erected in a substantial and rigid manner, straight and plumb with horizontal lines level. All units shall be aligned at joints and interlocked, and floor fastenings shall be completely concealed and adjustable to floor level variations. Reinforcements shall be provided to ceiling or bracing on runs exceeding 20′ in length unsupported by cross runs.

CHANGEABILITY
Any layout change which is desired shall be easily and economically executed without debris or dirt and with 100% salvage. Partitions and doors shall be completely interchangeable with units of like size. Door units and panel units shall be interchanged without disturbing adjacent units and cornice above.

MATERIALS
Exposed steel shall be commercial quality cold-rolled furniture steel properly annealed and patent leveled with smooth, clean surfaces. All gauges of specified metal are U. S. Standard.

UNITS
For future extensions of either 2-, 3-, or 4-way, units shall be so assembled that extensions may be joined without removal of adjacent units or material above cornice line. (The partitions are to be 3″ thick, height shall be standard cornice of either 7′-5¼″, 8′-2¼″, 9′-2¼″ or ceiling heights as required.) Factory will ship all units in one assembly from floor to cornice in widths of 6″ increments not to exceed 48″ in all steel and 54″ in steel and glass. All panels of like size are to be interchangeable. All 42″ door sections will interchange with 42″ panels.

PANELS
Shall be made of two sheets of No. 20 ga. cold rolled steel. Panels shall be flush and the panel sheets proper shall be reinforced with horizontal stiffeners spot-welded on 3″ centers and these stiffeners shall be placed approximately every 12″ in the height of a sheet.
Partitions of steel and glass shall be similar to all steel except that openings for glass shall be provided above chair rail height, as indicated in the elevation.
All glass partitions shall be glazed full height within a steel panel frame. No. 20 gauge steel shall be used for the vertical glazing posts and the edges shall be formed to abut adjacent panels same as all steel. Horizontal 20 gauge top glazing members shall be self seating and telescopic within the top rail.
As an Alternate the hat shaped reinforcements may be omitted if honeycomb is substituted for rockwool.

DOORS AND DOOR FRAMES
Doors shall be made of flush design and they shall be packed with rockwool. Standard swing door with frame shall fit a 42″ wide section and the door shall be 3′ x 6′10″. Doors shall be reinforced for hinges, locks and door checks. Hinge reinforcement shall be 10 gauge, lock reinforcement 10 gauge, door check reinforcement 14 gauge. Doors shall be 1¾″ thick with 3/32″ clearance at heads and jambs.
To compensate for floor irregularities, all frames shall be fully adjustable.

HARDWARE
Shall be National's Standard.
All hardware shall be interchangeable as called for in schedule of hardware. Two 5″ x 4″ loose pin ball bearing butt hinges shall be provided for all doors.

BASE
The base shall be of flat sanitary design and made of No. 18 gauge, 6″ high with ¼″ projection, running in a continuous line on both sides of partition. To allow for normal irregularities in floor elevations, base is to be vertically adjustable. In order to allow easy access to utility spaces, base shall be made removable.

CEILING TRIM
(For those partitions that extend to ceiling.)
They shall be constructed to run over all units to ensure rigidity for horizontal bracing. They shall be provided with a lay-in type wire raceway easily accessible from either side of unit. Raceway and internal cornice to be concealed by ornamental trim of No. 18 gauge.

CORNICE
(Provided for those partitions that do not reach ceiling.)
Cornice shall run in a continuous line over top of units. No. 18 gauge rolled steel section giving maximum rigidity for horizontal bracing. They shall also be provided with a lay-in type wire raceway easily accessible from either side.

WALL FILLERS
Shall be telescopically adjustable and have no exposed raw steel edges or wall fastenings. They shall be double steel sheets with finish appearance similar to partition panels and shall be packed with glass wool.

TOP FILLER
(Omit if no top filler required.)
For partitions that extend to ceiling, Mineral board top fillers which are double sheet mineral board ⅜″ thick, shall be applied over studs set 24″ on center.

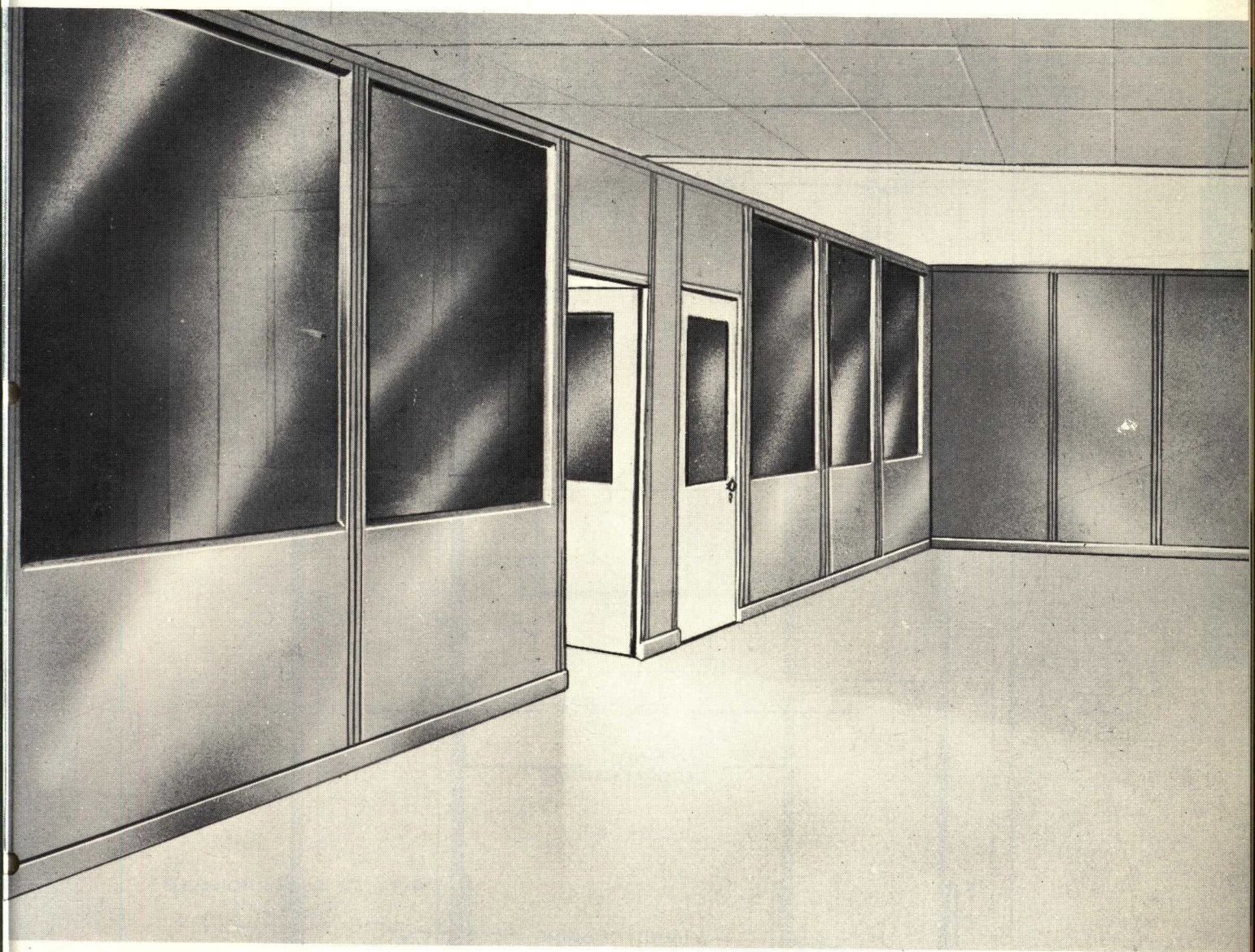
FACTORY FINISH
All exposed surfaces of completed partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust inhibitor and properly dried prior to paint applications. Partitions are finished permanently with a baked urea Melamine enamel to ensure quality, durability and performance. The finish coat shall be of "eggshell" texture, uniform throughout; color shall be National Steel Partition Company's Color No. ..... or color to be as selected. If base and door colors are different from partition colors specify National Steel Partitions Company Color No. .....

GLASS AND GLAZING
Glass for metal partitions shall be supplied by contractor and shall be of a quality, thickness and design as specified in drawings. As called for in specifications, glass shall be set easily into integral glazing moulds which are a part of the glass frame and puttied. Neoprene glazing strips may be used as an alternate to putty.

CLEANING
All minor defects and blemishes shall be touched up neatly and finger marks removed. Cartons and rubbish shall be removed and the job left broom clean. Erection dust, washing, cleaning of glass are to be performed by user.

DYNAWALL TYPE-D PARTITIONS

22a
Na



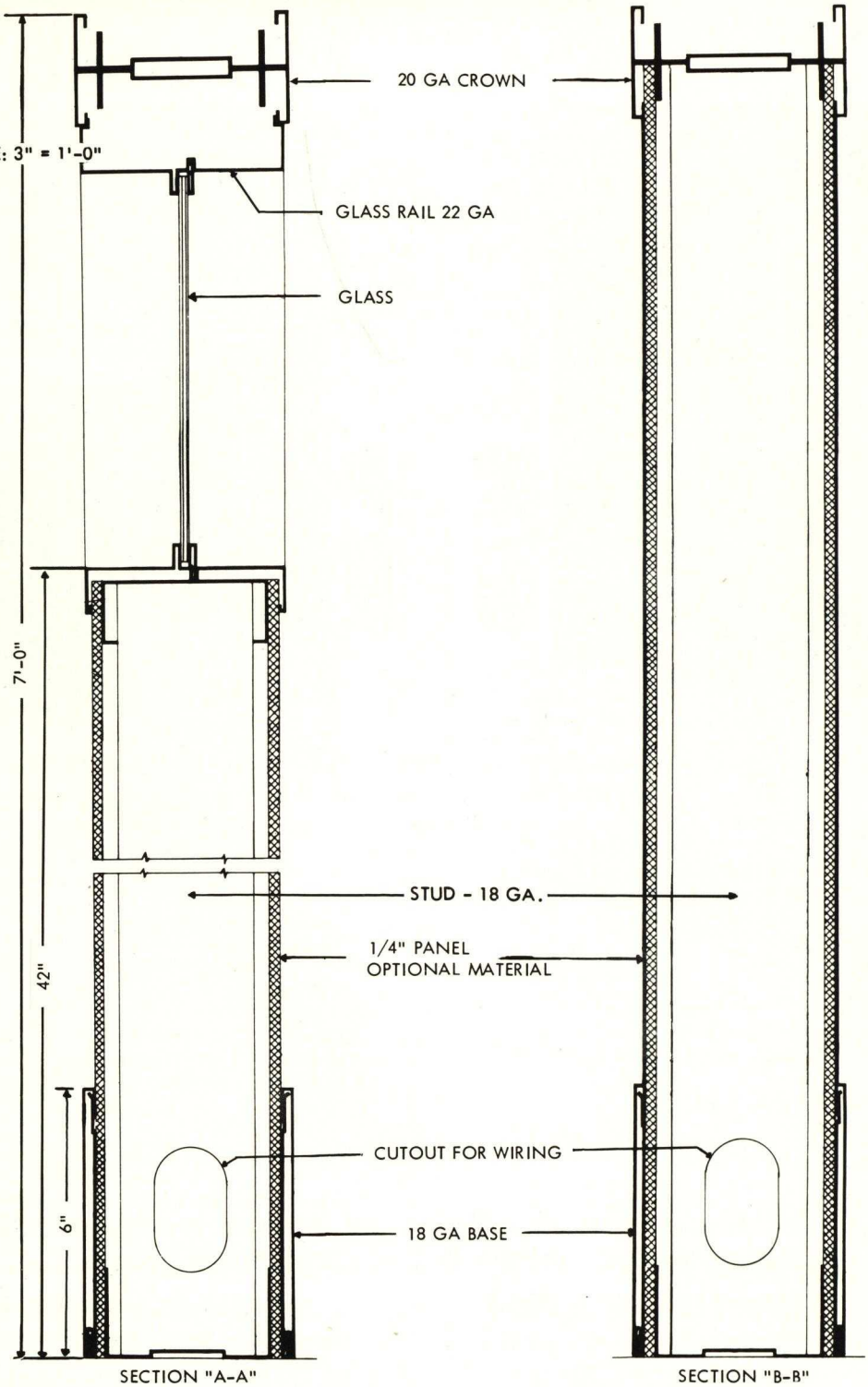
In order to make available a truly low cost, yet quality movable partition, National developed Dynawall Type "D"— the most economical partition made.

Dynawall is a field assembled system, using steel mouldings and various types of commercially available panel boards (¼" thick). Both panel faces are completely removable without disturbing adjacent panels and frames. This gives complete latitude of wiring and plumbing installation.

Panels and mouldings may be obtained in National's permanent factory-baked enamel finish or may be painted in the field.

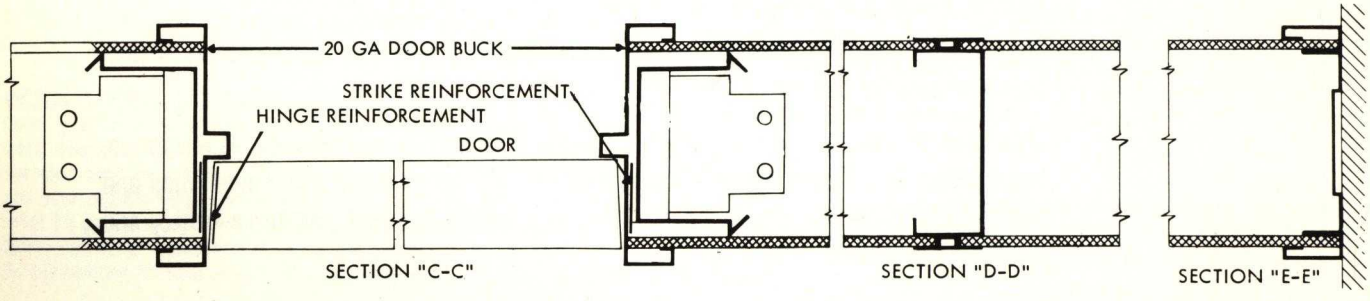
This type of partition is particularly favored in factories, warehouses, laboratories, institutions, etc. Various combinations may be built up of glass, steel mouldings and non-metallic panels to any ceiling height. It is simple to erect and to re-locate, and is 100% salvagable.

DETAILS - SCALE: 3" = 1'-0"



SECTION "A-A"

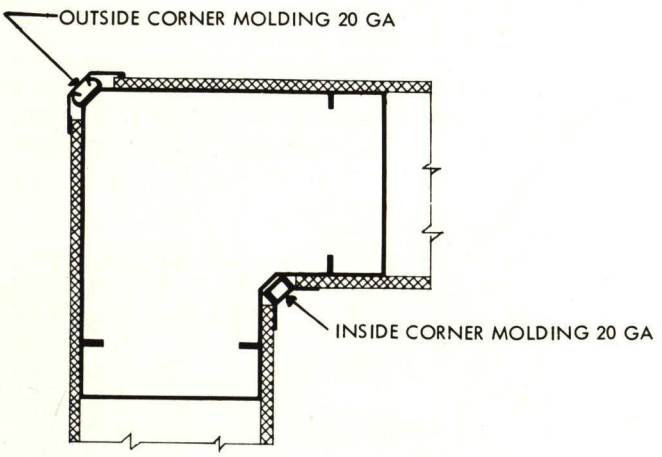
SECTION "B-B"



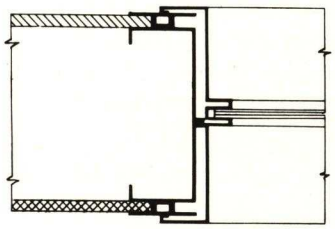
SECTION "C-C"

SECTION "D-D"

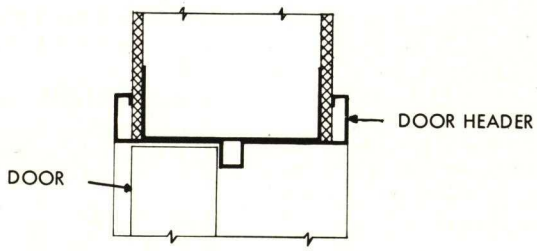
SECTION "E-E"



TYPICAL CORNER CONDITION

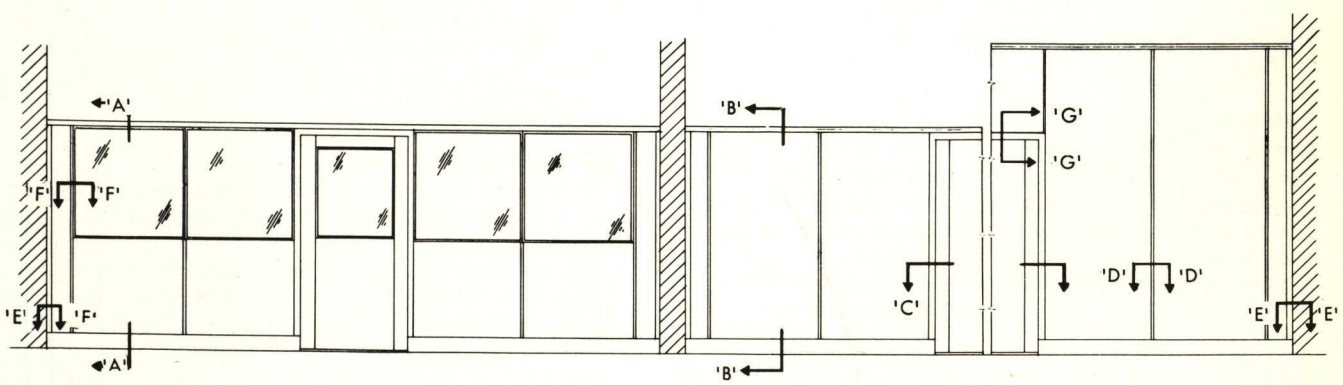


SECTION "F-F"



SECTION "G-G"

ELEVATION - SCALE: 3/8" = 1'-0"



TYPICAL ELEVATION TYPE "D" SOLID & GLASS

TYPICAL ELEVATION TYPE "D" SOLID

specifications

GENERAL
Completely furnish and erect National Steel Partition Company's Type D "Dynawall" Stud Type Steel Partitions as specified herein.

SHOP DRAWINGS
Detailed shop drawings of complete plan showing partition, layout, typical elevations, hardware schedule, finish and any special conditions and construction shall be submitted in duplicate for approval to the architect before fabrication.

ERECTION
Installation of all steel partition runs shall be on top of the finished flooring. All partitions shall be fitted to existing building conditions and shall be erected in a substantial and rigid manner, straight and plumb with horizontal lines level. All units shall be aligned at joints and interlocked and floor fastenings shall be completely concealed and adjustable to floor level variations. Provision shall be made for reinforcements to ceiling or bracing on runs exceeding 18′ in length unsupported by cross runs.

CHANGEABILITY
Any layout change which is desired shall be easily and economically executed without debris or dirt and with 100% salvage. Partitions and doors shall be completely interchangeable with units of like size.

MATERIALS
Exposed steel shall be commercial quality cold-rolled furniture steel properly annealed and patent leveled with smooth, clean surfaces. All gauges of specified metal are U. S. Standard.

UNITS
Units shall be constructed in multiple widths of 48″. Door and frame section shall be interchangeable with standard panel measuring 48″. Units are assembled and built so that future extensions of either 2-, 3- or 4-way may be joined together without removal of adjacent units or the use of fillers.

PANELS
Panels shall be faced with ¼″ thick cement asbestos Board, Fiber Board, Masonite, Plywood or other material as designated on drawings. Glass frames shall be welded and shall be constructed of standard units of 20 gauge frames. Lower panels shall be approximately 42″ high with glass frames or upper panels either 44″ or 22″ high.

POSTS
Bottom of posts to have opening for wiring. Posts shall be No. 18 gauge.

DOORS and DOOR FRAMES
Doors shall be made in a flush design with No. 20 gauge 5″ wide styles flush with No. 20 gauge panels which shall deaden sound. Doors shall be reinforced for hinges, locks and door checks. Hinge reinforcement shall be ⅛″ plate, lock reinforcement 16 gauge, check reinforcement 14 gauge. Doors shall be 1¾″ thick with 3/32″ clearance at heads and jambs. Frames shall be factory welded and finished of No. 20 gauge unit type. If so designated wood doors shall be used in lieu of steel

HARDWARE
All hardware shall be manufacturer's standard and interchangeable as called for in schedule of hardware. Two 5″ x 4″ loose pin ball bearing butt hinges shall be provided for all doors.

BASE
The base shall be No. 18 gauge, 6″ high.

CORNICE
(Provided for those partitions that do not reach ceiling.)
If required cornice shall run in a continuous line over top of units. They shall be of No. 20 gauge rolled steel section giving maximum rigidity for horizontal bracing, and of hollow construction to allow for concealed wiring.

WALL FILLERS
At the end runs, adjustable wall fillers are to be used and they shall be fastened securely to wall.

TOP FILLER
(Omit if no top filler required.)
If specified, Mineral Board top filler from cornice to ceiling.

FACTORY FINISH
All exposed surfaces of completed partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust inhibitor and properly dried prior to paint applications. Metal partition mouldings may either be field or factory finished. If they are factory finished they shall be painted with a synthetic baking enamel and baked so that the paint is properly prolemerized. Color shall be National Steel Partition Company's Color No. ..... or color to be as selected. If base and door colors are different from partition colors, specify National Steel Partitions Company Color No. .....

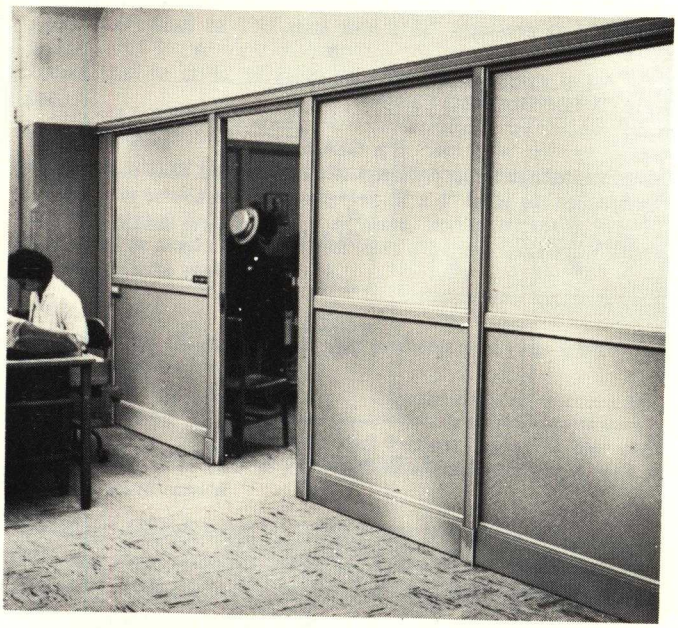
GLASS and GLAZING
Glass for metal partitions shall be supplied by contractor and shall be of a quality, thickness and design as specified in drawings. As called for in specifications, glass shall be set in putty and back puttied. Putty shall be colored. Putty shall match adjacent metal work color. Glazing stops and muntins shall be applied without the use of screws or bolts.

CLEANING
All minor defects and blemishes shall be touched up neatly and finger marks removed. Carton and rubbish shall be removed and the job left broom clean. Erection dust, washing, cleaning of glass are to be performed by user.

The National SM Type Partitions give the advantages of the more expensive types while keeping costs low for installation, maintenance and relocation. Panels are ⅜" thick with insulating material packed between steel sheets. Standard electrical components may be used. Provisions for wiring are available in post, base and cornice. At left, installation at Sears Roebuck, New York City. 7'-2¼" high partition, all steel open above.

The bolted construction in the SM Type Partition permits field cut-down. The 6" high hollow base provides space for pull-through wiring.

At right, installation at Brooklyn Union Gas Co., Brooklyn, N.Y. Partition is 8'-2¼" high, steel and glass with steel ceiling resting on partitions.

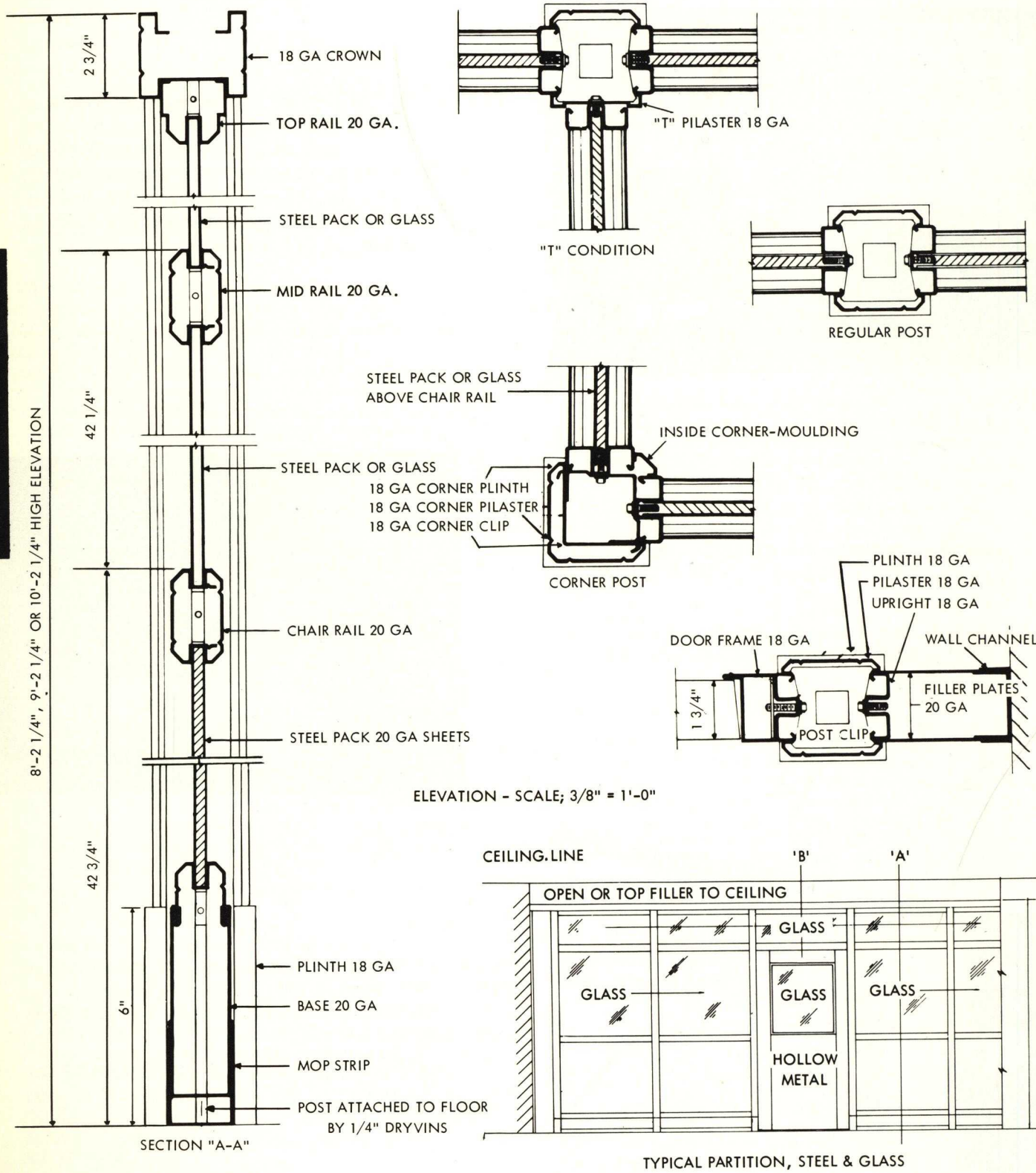


The SM Type Partition is designed to use a minimum number of parts, providing savings in both installation and fabrication. The 3" thick posts may be extended in all 4 directions. Adjacent panels are not disturbed.

At left, installation at Sears Roebuck, New York City. The SM Type steel and glass partition is 7'-2¼" high, with double mineral board top filler reaching to ceiling.

SM TYPE PARTITIONS

DETAILS - SCALE: 3" = 1'-0"



specifications

GENERAL
Completely furnish and erect National Steel Partition Company's SM Type Partitions as specified herein.

SHOP DRAWINGS
Detailed shop drawings of complete plan showing partition, layout, typical elevations, hardware schedule, finish and any special conditions and construction shall be submitted for approval to the architect before fabrication and assembly.

ERECTION
Installation of all steel partition runs shall be on top of the finished flooring. All partitions shall be fitted to existing building conditions and shall be erected in a substantial and rigid manner, straight and plumb with horizontal lines level. All units shall be aligned at joints and interlocked. Floor fastenings shall be completely concealed and adjustable to floor level variations.

CHANGEABILITY
Any layout change which is desired shall be easily and economically executed without debris or dirt and with 100% salvage. Partitions and doors shall be completely interchangeable with units of like size. Panel and door units may be interchanged without disturbing adjacent units.

MATERIALS
Exposed steel shall be commercial quality cold-rolled furniture steel properly annealed and roller-leveled with smooth, clean surfaces. All gauges of specified metal are U. S. Standard.

UNITS
For future extensions of either 2-, 3-, or 4-way, units shall be so assembled that extensions may be joined without removal of adjacent units or material above cornice line. The partition height shall be standard cornice of either 7'-2¼", 8'-2¼", 9'-2¼" or 10'-2¼" to top of cornice trim as indicated in multiples of 5" in width with a maximum of 60" for glazed units and 50" for solid steel units.

DOORS and DOOR FRAMES
Doors shall be made flush with No. 20 gauge 5" styles flush with No. 20 gauge pans which shall deaden sound. Standard swing door with frame shall fit a 40" wide section and the door shall be 2'-10" x 6'-10". Doors shall be reinforced for hinges, locks and door checks. Hinge reinforcement shall be 10 gauge, lock reinforcement 10 gauge, check reinforcement 14 gauge. Doors shall be 1¾" thick with 3/32" clearance at heads and jambs.
Frames shall be of No. 18 gauge unit type and adjustable to the floor line.

HARDWARE
All hardware shall be mobile as to operation and interchangeable as called for in schedule of hardware. Two 5" x 4" loose pin ball bearing butt hinges shall be provided for all doors. Mortise latches in U. S. 10 finish shall be standard with cylinder locks of various functions. Finishes and designs also available.

RAILS
Shall be of No. 20 gauge, rolled steel sections, with glass grooves for chair and snap on top rails.

POSTS
Shall be of No. 18 gauge, rolled steel sections. Design of post shall permit extension of 2-, 3- or 4-way with no removal of adjacent units or material above cornice.

BASE
The base shall be No. 20 gauge, 6" high with a 2" high mop mould adjustable vertically to take up the floor irregularities. Plinths at each post give easy access for wiring.

CEILING TRIM
(For those partitions that extend to ceiling.)
They shall be constructed to run over all units to ensure rigidity for horizontal bracing. They shall be provided with a lay-in type wire raceway.

PANELS
Shall be made of 2-20 gauge commercial quality rolled leveled steel sheets, permanently bonded to a 5/16 corrugated filler core with resin adhesives. Panels shall be assembled by means of bolts, permitting cutting down in the field. Glass openings to be provided in upper part of panels as indicated on the elevations.

CORNICE
(Provided for those partitions that do not reach ceiling.)
Cornice shall run in a continuous line over top of units. No. 18 gauge rolled steel section giving maximum rigidity for horizontal bracing. It shall also be provided with a lay-in type wire raceway easily accessible.

POST CAPS
Caps shall be of removable type for easy wiring and disassembly. They shall be of ornamental inlay design in No. 18 gauge.

WALL FILLERS
Shall be telescopically adjustable, to take up masonry irregularities. They shall be of No. 20 gauge.

TOP FILLER
(Omit if no top filler required.)
For partitions that extend to ceiling, Mineral board top fillers which are double sheet mineral board ⅜" thick, shall be applied over wood studs set 24" on center.
Steel top filler of No. 20 gauge (in lieu of mineral board) shall be single flush line joints made of double steel and shall be removable. Single sheet steel top fillers of 20 gauge steel are also available.

FLOOR CONNECTIONS
All floor connections are concealed at base and all fittings shall be made below each post. They shall be provided with leveling shims for fine adjustment to normal floor irregularities. Connections are to be securely fastened to floor.

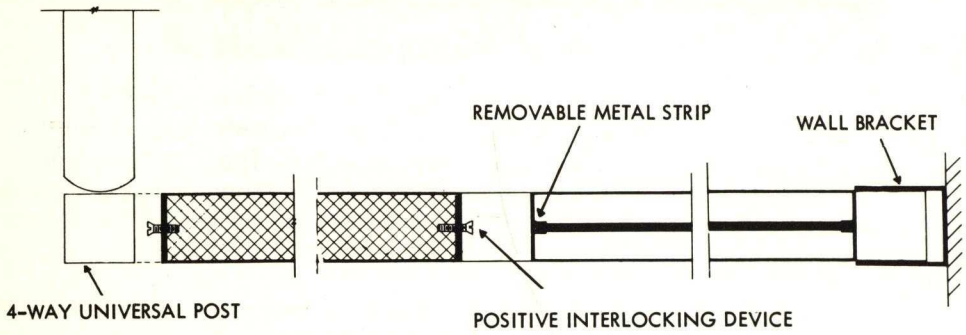
PANEL CONNECTIONS
All units proper are to be connected by No. 14 gauge clips 24" on center that maintains unit rigidity and properly aligns connecting units. In order to permit vertical wiring, clips are provided with a wiring hole and projections for snapping on flush post cap that are to be held in place without bolts, nuts, etc.

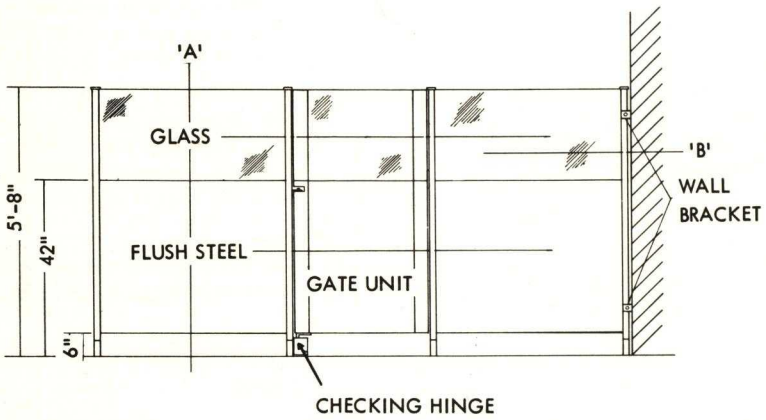
FACTORY FINISH
All surfaces of partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust inhibitor and properly dried prior to paint applications. Partitions are finished permanently with an enamel coat of alkyd-melamine base and baked to ensure quality and durability.
The finish coat shall be of "eggshell" texture, uniform throughout, color shall be National Steel Partition Company's Color No. ..... or color to be as selected. If base and door colors are different from partition colors, specify National Steel Partition Company Color No. .....

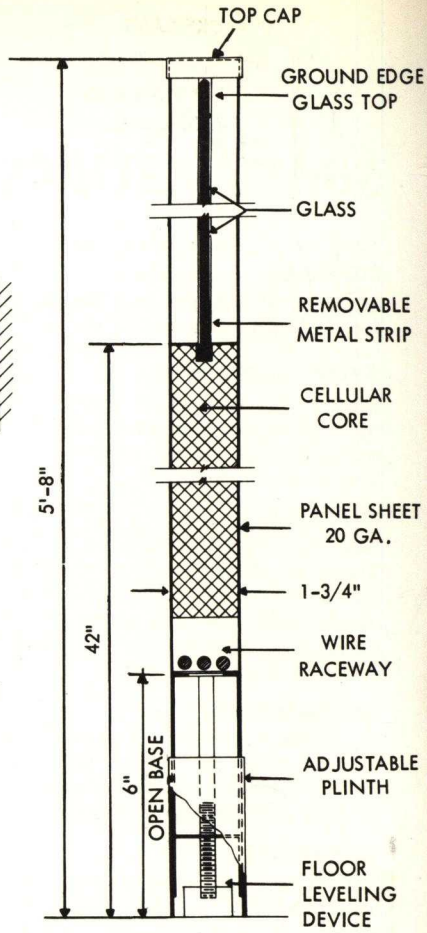
GLASS AND GLAZING
Glass for metal partitions shall be supplied by contractor and shall be of a quality, thickness and design as specified in drawings. As called for in specifications, glass shall be set in putty.

CLEANING
All minor defects and blemishes shall be touched up neatly and finger marks removed. Cartons and rubbish shall be removed and the job left broom clean. Erection dust, washing, cleaning of glass are to be performed by user.

NAP JOINT TYPE - P PARTITIONS







specifications

OVERALL DESIGN
Partitions are to be constructed of interchangeable parts of steel surmounted by glass or accoustical material as specified. All partitions shall be easily assembled and so constructed to allow partitions to be disassembled and reassembled in any formations of units required.

PANELS
Panel shall be not less than 1¾ inches thick to provide a flush design. All surfaces of panel shall be 20 gauge U. S. standard cold rolled roller leveled furniture steel. Panel shall be so reinforced and welded to insure a lifetime rigid construction.

POSTS
1¾ inches in thickness of cold rolled and welded U.S. standard 16 gauge steel. Post shall be interchangeable and each to be equipped with a leveling device to permit easy installation and compensate for unevenness in floors. When required, posts can be equipped with a floor anchor to eliminate top sway and permit easy installation of doors and gates.

DOORS
All steel surfaces shall be 20 gauge cold rolled U. S. standard roller leveled furniture steel properly reinforced to receive hardware and eliminate warpage. All doors and gates are to be factory mounted to assure easy installation and shall be shipped as a complete unit with cylinder lock, key and inside snap latch. Doors to be so constructed to permit mounting to universal post on any one of four sides.

INSULATION
Panels, doors and gates shall be insulated with a rigid material of honeycomb construction bondarized under pressure and shall provide sound absorbency and impact resistance.

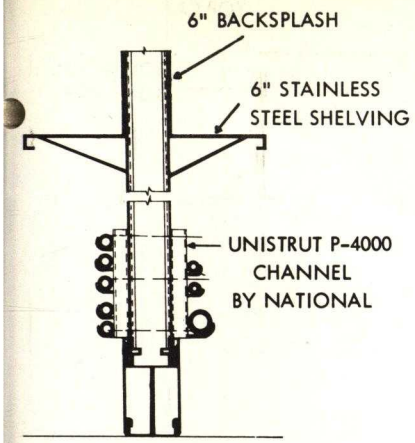
BASE
Ordinarily supplied open but if closure is required, base shall be of clip type construction easily mounted and fabricated so as to permit interchangeability.

GLASS
Glass to be supplied in 3 textures, clear, broadlite and bandlite and shall be not less than 7/32 inch in thickness. Bottom and sides of glass to be set in a vinyl channel cushion – top of glass to be polished or protected with a vinyl channel as specified.

WIRE RACEWAY
A wire raceway shall be provided at the bottom of each panel to receive wiring and shall run continuously along completed installation of partition passing through posts by using openings provided.

FACTORY FINISH
All exposed surfaces of completed partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust inhibitor and properly dried prior to paint applications. Partitions are finished permanently with an enamel coat of alkyd-melamine base and baked to ensure quality and durability.

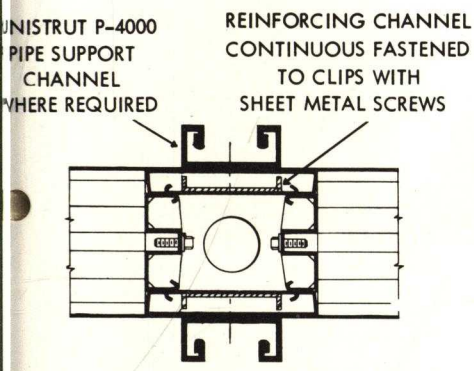
The finish coat shall be of "eggshell" texture, uniform throughout; color shall be National Steel Partition Company's Color No..... ..... or color to be as selected. If base and door colors are different from partition colors, specify National Steel Partitions Company Color No. ..... .



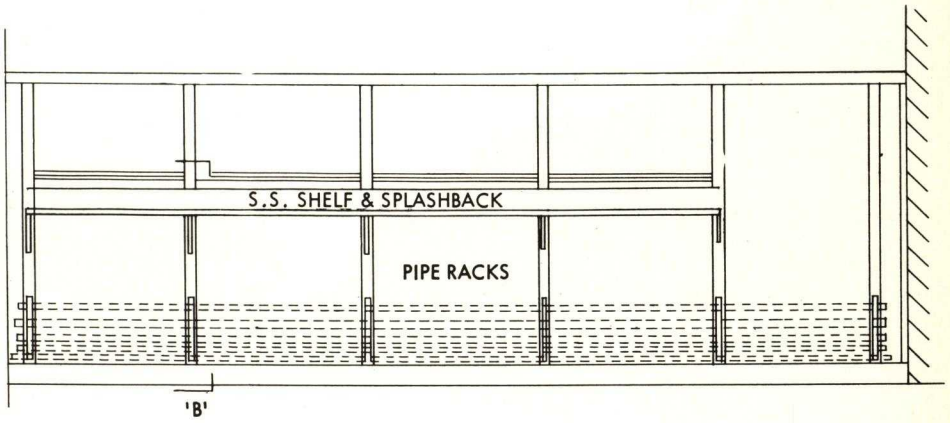
SECTION 'B'-'B'

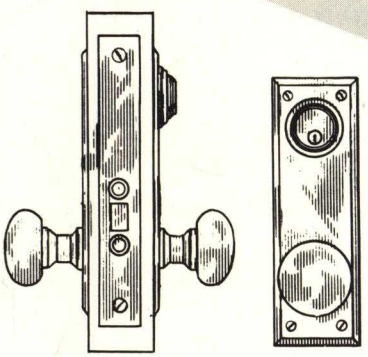
LABORATORY PARTITIONS

To fit the requirements of hospitals and laboratories, National constructs partitions so that all types of piping (drains, water, gas, vacuum, etc.) may be run on the exterior of the partitions. These fixtures and piping are generally hidden by laboratory furniture. Thus functionalism is secured at minimum cost.

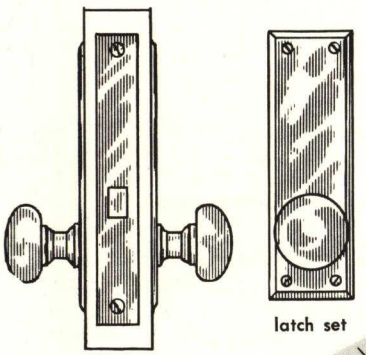

UNISTRUT P-4000 PIPE SUPPORT CHANNEL WHERE REQUIRED
REINFORCING CHANNEL CONTINUOUS FASTENED TO CLIPS WITH SHEET METAL SCREWS

TYPICAL POST DETAIL SHOWING PIPE SUPPORT AND REINFORCING CHANNELS





standard cylinder lock set



latch set

DOORS

A complete range of door types are available with National Partitions. Included among these are:

Doors in Pairs, Flush Steel, Half Glass, Door Louvers, Dutch Half Glass, Dutch Half Glass, Dutch Flush Steel, Etc.

Door units are interchangeable with panel units of same size.

ACCESSORIES

Partitions by National are also available with wickets (Hinged or Slide), with horizontally Pivoted Transoms, and with Open Bases.

All desired accessories are available including Latch Sets, interchangeable Lock Sets of all functions, Surface Door Closers, Concealed Door Closers, etc.

DISTRIBUTORS THROUGHOUT THE COUNTRY

BIRMINGHAM, ALA.
Shook & Fletcher Insul. Co.
2431 First Ave., South
FAirfax 2-6722

LOS ANGELES, CALIF.
The Brookman Co., Inc.
733 So. Fremont, Alhambra
CUmberland 3-4743

SAN FRANCISCO, CALIF.
The Brookman Co., Inc.
2833 Third St.
ATwater 8-0644

DENVER, COLO.
Lauren Burt Inc. of Colo.
3254 Walnut St.
CHerry 4-4548

HARTFORD, CONN.
Davis Acoustical Co., Inc.
27 Woodbine St.
CHapel 9-5684

ATLANTA, GA.
Anning-Johnson Co.
P.O.Box 2562, Stat."D"
SYcamore 4-9566

MELROSE PARK, ILL.
Anning-Johnson Co.
1959 Anson Drive
COlumbus 1-3636

EVANSVILLE, IND.
Anning-Johnson Co.
320 N.W. 7th St.
HArrison 3-3683

INDIANAPOLIS, IND.
Anning-Johnson Co.
1720 Alvord St.
WA. 3-2461

DES MOINES, IOWA
Anning-Johnson Co.
914 Grand Ave.
ATlantic 2-6896

NEW ORLEANS, LA.
Anning-Johnson Co.
1406 So. White
JAckson 2-8177

BETHESDA, MD.
W.M. Schoenfelder & Assoc.
7720 Wisconsin Ave.
OLiver 4-8500

BOSTON, MASS.
Armstrong Cont'g. & Sup. Corp.
22 Woodmont St., Brighton
ALgonquin 4-7580

GRAND RAPIDS, MICH.
Leggette-Michaels Co.
3453 Eastern Ave., S.E.
CH. 5-0496

ST. LOUIS, MO.
Hamilton Co., Inc.
4239 Lindall Blvd.
FRanklin 1-0100

ALBANY, N. Y.
Davis Acoustical Corp.
45 Fourth Ave.
4-1312 and 4-4944

BUFFALO, N. Y.
Davis-Fetch & Co., Inc.
236 Scajaquada St.
HUmboldt 8760

ITHACA, N. Y.
Rochester Davis-Fetch Corp.
421 East State St.
IThaca 4-2535

JAMESTOWN, N. Y.
Davis-Fetch & Co., Inc.
5 Osmer St.
31933

ROCHESTER, N. Y.
Rochester Davis-Fetch Corp.
22 Wright St.
IDlewood 6-1880

SYRACUSE, N. Y.
Davis-Fetch Acoustical Corp.
416 Tallman Ave.
GRanite 6-4001

ASHEVILLE, N. C.
The Bonitz Insulation Co.
Box 636
ALpine 3-1671

GOLDSBORO, N. C.
The Bonitz Insulation Co.
Box 1079
REpublic 4-4061

GREENSBORO, N. C.
The Bonitz Insulation Co.
411 Prescott-Box 1289
BR. 2-8174

CLEVELAND, OHIO
Anning-Johnson Co.
2254 Hamilton Ave.
SUperior 1-3530

TOLEDO, OHIO
Anning-Johnson Co.
P.O.Box 2852, Stat."B"
Greenwood 5-6861

OKLAHOMA CITY, OKLA.
The Denman Co.
3023 N. Oklahoma St.
JAckson 8-5575

HARRISBURG, PA.
The W.M. Moyer Co.
4200 Block Chambers Hill Rd.
JOrdon 4-2760

PHILADELPHIA, PA.
The W.M. Moyer Co.
1616 Walnut St.
PEnnypacker 5-8880

PITTSBURGH, PA..
Davis-Fetch Corp. of Penna.
5505 Centre Ave.
MAyflower 1-7320

QUAKERTOWN, PA.
The W.M. Moyer Co.
New Street
KEystone 6-6710

COLUMBIA, S. C.
The Bonitz Insulation Co.
1030 Drake St.
SUnset 7-7694

GREENVILLE, S. C.
The Bonitz Insulation Co.
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